What is claimed is:

10

A compound 8 to 50 nucleobases in length targeted 1. to a nucleic\ acid molecule encoding phosphatidylinositol-4phosphate 5-ki nase, $I\alpha$, wherein said compound specifically hybridizes with said nucleic acid molecule phosphatidylinos λ tol-4-phosphate 5-kinase, I α and inhibits the expression of phosphatidylinositol-4-phosphate 5-kinase, Ια.

2. The compound of claim 1 which is an antisense oligonucleotide.

15

The compound of claim 2 wherein the antisense oligonucleotide has a sequence comprising SEQ ID NO: 10, 11, 12, 13, 14, 15, 16, 17, 18, 21, 22, 23, 25, 26, 27, 28, 29, ['] 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 30, 31, 32, 3**A** 46, 48, 49, **∮**0√ 51, 52, 53, 54, 56, 57, 58, 60, 61, 62, 63, 64, 66, 67, (9), 70, 71, 72, 73, 74, 76, 77, 78, 79, 82, 83 or 85.

20

The compound of claim 2 wherein the antisense oligonucleotide comprises at least one modified internucleoside linkage.

25

- The compound of claim 4 wherein the modified internucleoside linkage is a phosphorothioate linkage.
- The compound of claim 2 wherein the antisense oligonucleotide comprises at least one modified sugar moiety.
- The compound of claim 6 wherein the modified sugar moiety is a 2'-0-methoxyethylk sugar moiety.
- The compound of claim 2 wherein the antisense oligonucleotide comprises at least one modified nucleobase.
- The compound of claim 8 wherein the modified nucleobase is a 5-methylcytosine.
- The compound of claim 2 wherein the antisense oligonucleotide is a chimeric oligonucleotide. 35
 - 11. A compound 8 to 50 nucleobases in length which

10

15

20

25

35

30

specifically hybridizes with at least an 8-nucleobase portion an active site on a nucleic acid molecule encoding phosphatidylinositol- $\c 4$ -phosphate 5-kinase, I $\c lpha$.

- A composition comprising the compound of claim 1 and a pharmaceutically acceptable carrier or diluent.
- The composition of claim 12 further comprising a colloidal dispersion system.
- The composition of claim 12 wherein the compound is an antisense oligonucleotide
- method of 15. Α inhibiting the expression of phosphatidylinositol-4 phosphate 5-kinase, I α in cells tissues comprising contacting said cells or tissues with the compound of claim that so expression of phosphatidylinositol-4-phosphat λ 5-kinase, I α is inhibited.
- A method of treating an animal having a disease or condition associated with phosphatidylinositol-4-phosphate 5- $I\alpha$ comprising administering to said therapeutically or prophylactically effective amount of the 1 compound of claim so that expression of phosphatidylinositol-4-phosphate 5-kinase, $I\alpha$ is inhibited.
- The method of claim 16 wherein the disease or condition is a hyperprolative disorder.
- The method of claim 16 wherein the disease or condition is an inflammatory disarder.
- The compound of claim 1 targeted to a nucleic acid molecule encoding phosphatidylinositol-4-phosphate 5-kinase, Iα, wherein said compound specifically hybridizes with and differentially inhibits the expression of one of the variants of phosphatidylinositol-4-phosphate 5-kinase, $I\alpha$ relative to the remaining variants of phosphatidylinositol-4-phosphate 5kinase, $I\alpha$.
- 20. The compound of claim 19 targeted to a nucleic acid molecule encoding phosphatiqylinositol-4-phosphate 5kinase, Iα, wherein said compound hybridizes with specifically inhibits the expression of а variant

1000334.dacci

5ug

phosphatidylinositol 4-phosphate 5-kinase, I α , wherein said variant is selected from the group consisting of PIP5KI α 1, PIP5KI α 2 and PIP5KI α 3.